

# 21COE International Workshop

## "Earth's Core Formation"

2006 Feb. 28 Tuesday 9:00-14:00

Tokyo Institute of Technology Ishikawadai Building No. 6 Room 404

### Program

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9:00-9:30

Hiroki. Senshu (Titech COE21) Theory of core formation process: a review

9:30-10:00

Masahiro. Ikoma (Titech COE21) Planetary formation and early atmosphere

10:00-10:30

Toshimori. Sekine (National Inst Material Sci. Tsukuba)  
Behavior of volatile elements during planetary accretion:  
Implication from shock experiments

10:30-11:00

Bernard J. Wood (Macquarie Univ.) Core formation and redox state of the mantle

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Break 11:00-11:30 Coffee, sandwich and snacks will be served

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11:30-12:00

Eiichi. Takahashi, Yoichi. Nakajima & Koichi. Sakamaki  
(Titech) Magma ocean and core formation under solar nebula

12:00-12:30

Kei. Hirose & Ryosuke. Sinmyo  
(Titech) Post perovskite and core-mantle chemical reaction

12:30-13:00

Tomoo. Yuki & Yutaka. Abe  
(EPS Tokyo Univ.) Chemical and physical constraints on core formation process

13:00-13:30

K.Suzuki, K.Shinotsuka, T.Kogiso, and T.Suzuki  
(JAMSTEC) Constraints on core formation from platinum group elements:  
Current limitations and trials to overcome them

13:30-14:00

Bernard J. Wood & Eiichi. Takahashi General Discussion

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TPF Workshop by Prof. Ida will be held at 15:00-17:00 at the same Room